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DEPARTMENT OF THE AIR FORCE STAFF MESSAGE DIVISION INCOMING MESSAGE

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-//S E C R F T//FROM RDYI 15 12-1-E.

FOR LT COL ROBERT CAREY AFCIN-2B3. THIS MSGS IN TWO PARTS.

CONNECTION THERWITH THE FOLLOWING INFORMATION WAS RECIVED FROM THE LASSISTANT COMMANDER FOR MISSILE TESTS AFBMD PATRICK AFB QUOIE ASSUME CITED RUMORS ARE RESULT OF SIGHTINGS AT NIGHT OF A PHENOMENON WHICH STARTS BUST PRIOR TO BURNOUT ON THOR AND JUMPITER FLIGHTS AND BUST AFTER BURNOUT AND INTENSITY ROUGHLY EQUAL TO THAT OF THE MILKY WAY AFTER STARTING IT, IS OBSERVED OVER REMAINDER OF THE TRAJECTORY TO BURNOUT, THE EFFECT IS NOT A CLOUD REFLECTING INCIDENT LIGHT

CKY TUTT APPLARS TO BE RAPALILONNOE FNEROX IN THE FALLED BEEN SAFECTIONS

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DEPARTMENT OF THE AIR FORCE STAFF MESSAGE DIVISION INCOMING MESSAGE

516 (16 Dec 59) FROM A WOLUME OF SPACE. IT SHOULD BE NOTED THAT IT IS SUSPECTED HERE ARE 2 PHENOMENA INVOLVED CMM 1 BEING THIS DIRECT ENERGY RACIATION WHICH IS OBSERVED DURING THE NIGHT AT TIMES WHEN THE SUN COULD NOT BE ILLUMINATING THE TRAJECTORY CMM AND THE OTHER COURING SHORTLY AFTER OR BEFORE TWILIGHT WHEN IT IS SUSPECTED THAT THERE IS SCATTERING OF INCIDENT SUNLIGHT FROM THE EXHAUST GAS CLOUD, THE FOLLOWING COMMENTS ARE RESTRICTED TO THE FORMER CAST WHEN VIEWED FROM CAPE CANAVERAL CMM THE PHENOMENON APPEARS AS A CORONA AROUND THE MISSILE FLAME AND SOMETIMES PERSISTS AFTER BURNOUS WHEN VIEWED FROM THE SIDE , PHENOMENON APPEARS AS A DIFFUSION OF FAINT LUMINOSITY OUT FROM THE FLAME TRAIL BUT SEVERAL TIMES WIDER AND PERSISTING AFTER THE FLAME HAS MOVED WELL AWAY FROM A PARTICULAR POINT, THIS PERSISTANCE HAS BEEN ESERVED TO LAST WELL OVER 30 SECONDS AFTER THE FLAM: PASSED AFTER BURNOUT WHEN VIEWED FROM THE REAR THE FOLLOWING NOTES CONCERNING THE LUMINESCENCE PHENOMENON WERE TAKEN ON THE THOR 2 LAUNCHED 5 AUG 59 CLN QUOTE STARTED ABOUT 10 SECONDS BEFORE BURNOUT WITH THE INITIAL PORTION HAVING A PERSISTENCE ESTIMATED BE WEEN 20 AND 40 SECONDS BEFORE VISUAL RECOGNITION VAS LOST NOUGTE, THIS PARTICULAR MISSILE VAS AT AN ALTITUDE OF APPROX erovo feet paren 73 km paren when the phenomeno OBSERVED ; BURNOUT OCCURRED AT AN ALIGHUDE OF FFETT PAREN 88 KM PAREN PRELIMINARY SEARCH OF SURVEY MUTORMAI

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DEPARTMENT OF THE AIR FORCE STAFF MESSAGE DIVISION INCOMING MESSAGE

ON THE ATMOSPHERE REVEALS THAT THE ALTITUDE OF THE START OF THE WHENOMENON IS IN THE UPPER PORTIONS OF THE QUOTE DELTA UNQUOTE LAYER OF THE IONOSPHERE AND, IN PARTICULAR, THE OBSERVATION FOR THIS MISSILE SHOWS THE EXISTENCE OF THE PHENOMENON IN THE HANGE OF ALTITUDE WHERE NOCTILUCENTHICLOUDS OCCUR. SEVERAL COMMISCITURES HAVE BEEN MADE ABOUT THE MECHANISM PRODUCING THE WISIBLE ENERGY. WE PLAN TO MAKE MORE DETAILED OBSERVATIONS ON THE NEXT FEW FLIGHTS TO ATTEMPT TO CORRELATE THE PHENOMENON WITH THE MISSILE AND MISSILE TRAJECTORY FLIGHT HISTORY END QUOTE.

WALL THE PREMINE TO PARA 3 AND 4 OF THE ABOVE REFERENCED

MAIC MEMO INQUIRIES ARE BEING MADE WITH ARDC TO DETERMINE REASIBILITY AND, OR PRACTICABILITY OF CONDUCTING TASK DESCRIBED THEREIM.

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